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UNITED STATES ENVIRONMENT PROTECTION AGENCY
REGION 5
EMERGENCY RESPONSE BRANCH
POLLUTION REPORT

Date: October 1, 1999
From: Pete Guria / Kevin Turner, On-Scene Coordinator

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Subject: South Central Terminal, OPA/CERCLA Removal Action,
Pana, Christian County, Illinois
Latitude: N 39° 22' 24.6" Longitude: W 89° 04' 57.2"
Site activities from September 24 to October 1, 1999

POLREP No.: 4	Site ID No.: CERCLA - B5D5	OPA - Z5AX
Start Date: August 25, 1999	FPN: N99269	
Completion Date:	Response Authority: OPA / CERCLA	
NPL Staus: Non-NPL	Task Order No.: 41/35	

A. BACKGROUND INFORMATION:

1. Incident Category: Former oil refinery and bulk storage terminal.
2. Site Description
See initial polrep
3. Description of threat
See initial polrep
4. Site Assessment/Inspection Results
See initial polrep

B. RESPONSE INFORMATION

1. Situation

OPA - ERRS pumped the contents of on-site tanks into tank 90. Contents of the tank were sampled on 9/17, and ERRS received analytical results on 9/24. Cooler weather conditions are causing the material inside tank 90 to cool

and become less viscous. Disposal options are currently being considered by U.S. EPA, ERRS and START. ERRS has cleared several areas of vegetative cover to access tanks, identify locations of lines, access pit sumps, and to maintain lines of sight over the property. Calciment (lime) has been used to solidify a release of oil at the asphalt plant.

CERCLA - ERRS has prepared the asphalt plant for asbestos abatement activities scheduled to begin on 10/4. Additional crew members will be mobilized to assist with asbestos abatement. ADM has voluntarily removed material from three tanks, a secondary containment area, and are continuing site activities. On 9/30 ERRS began to demolish tanks on site. Tanks adjacent to the surface impoundment and a tank on the northeast corner of the property have been removed.

Weather conditions on site, temperatures have varied from the low 40's (°Fahrenheit) to the low 80's, with mostly clear skies. A rain event occurred on from the evening on 9/28 to early afternoon on 9/29. Oil consolidation activities were funded through OPA while tank demolition and asbestos abatement preparation has been funded through CERCLA.

2. Actions Taken

- a. ERRS sampled the contents of tank 90 on 9/17/99; preliminary analytical results were received on 9/24/99. U.S. EPA, ERRS, and START are discussing disposal options. The material in the tank has become less viscous, and ERRS has been circulating material in the tank to free up the material. On 9/30 ERRS discovered that tank 90 contained a water layer, and pumped approximately 3,000 gallons of water to the west API separator for water treatment.
- b. On 9/21/99 ERRS treated 1,100 gallons of water with the "Springfield Belle" and sampled the effluent. On 9/22/99, ERRS sampled effluent from the treated water, on 9/28 analytical results were received. Ammonia concentrations exceeded monthly average discharge levels set by Illinois EPA. The treated water was subsequently returned to the west API separator and not discharged offsite. ERRS continued aerating the west API and the surface impoundment to encourage mixing and oxygenation of site waters. On 9/29 ERRS treated/discharged 19,675 gallons of water with the "Springfield Belle" and again sampled the effluent for analysis. During the week ERRS continued to pump water from buildings, sumps, and pits for on site water treatment.
- c. Between 9/14 to 9/30 ADM voluntarily removed 436,000 gallons of ammonium sulfate material from tank 116 and removed 16,800 gallons of ammonium sulfate material and stormwater from several secondary containment areas on site. The material removed from tanks was blended at the ADM Decatur facility, while material removed from the secondary containment area was land applied on site property located south of the site fence. Illinois EPA is overseeing the land application of ammonium sulfate material and stormwater.
- c. OSC Turner coordinated site activities with IDNR, Illinois EPA, and city officials.

3. Plans

- a. Continue oil and water recovery/consolidation from tanks, pits, sumps and buildings.
- b. Obtain analytical results of water treated through the "Springfield Belle".
- c. Continue to clear and grub site grounds.
- d. Sample tank 90, and arrange transfer and disposal of tank contents.
- e. Begin asbestos abatement and continue tank demolition activities.

4. Key Issues

- a). Removal of ammonium sulfate material from the site.
- b). Asbestos thermal and pipe insulation must be removed under CERCLA activities before above ground pipelines can be opened to remove residual oil/water from the refinery and associated equipment and tanks. CERCLA asbestos abatement activities are scheduled to begin on 10/4.

5. Costs

- A. Case open.
- B. Costs as of 10/01/99;

	<u>Budgeted</u>	<u>Total To Date</u>	<u>Remaining</u>
ERRS (OPA)	\$175,000	\$170,379	\$4,621
ERRS (CERCLA)	\$500,000	\$58,000	\$442,000
U.S. EPA	\$78,000	\$7,120	\$70,880
START	<u>\$60,000</u>	<u>11,000</u>	<u>49,000</u>
Total	\$813,000	\$246,499	\$566,501

C. **DISPOSITION OF WASTES**

1. ADM Disposal Summary:

<u>Wastestream</u>	<u>Medium</u>	<u>Quantity</u>	<u>Containment</u>	<u>Treatment</u>	<u>Disposal</u>
Ammonium sulfate material	liquid	8,500 barrels	tanker truck		ADM facility Decatur
Ammonium sulfate & storm water	liquid	2,200 barrels	tanker truck	land application	